Topio	Question	Question Answered	Question	Anguar	Ctotus
Topic Ch 2	7-12-07	7-13-07	Tri-W: Are the leachfields around	Answer In-town leachfields, other than Broderson,	Status
Cli Z	7-12-07	7-13-07	town proposed in the Tri-W project	have been screened out due to their limited	
			fully designed?	mitigation of seawater intrusion.	
Ch 2	7-12-07	7-13-07	Sprayfields: Is tertiary treatment	No and no.	
0112	7 12 07	7 10 07	required for sprayfields? Will it be	no dia no.	
			chlorinated?		
Ch 2	7-12-07	7-13-07	Sprayfields: What measures have	The system would require a detailed	
			been taken to prevent surface runoff	operations plan, and the site would also	
			from the sprayfields? Bad impacts if	need to have overflow capacity in the event	
			the soil from sprayfields flow into	of a system failure.	
			bay.		
Ch 2	7-12-07	7-13-07	Urban in-lieu: Is tertiary treatment	Yes.	
			really required for urban in-lieu? In		
			the report, Table 2.3 defines it as shallow wells.		
Ch 2	7-12-07	7-13-07	Salt loading: Is there any	Yes, water softeners are a common	
0112	7 12 07	7 13 07	municipalities banning the use of	problem for municipalities with Total	
			water softeners to lower the salt	Dissolved Solids effluent limits.	
			loading?		
Ch 2	7-12-07	7-13-07	Clarification: The community needs		Comment
			to understand the difference		
			between facultative ponds and		
			constructed wetlands.		
Ch 2	7-19-07		Table A.2: Would it be possible to	The first two lines for each level are for	
		Ì	get more detail? It is difficult to tell	energy and labor for spray field operation.	
			what energy costs are associated	There are some typographical and	
			with which components in the report.	calculation errors in Table A2 that will be	
			Also, for level 2a and 2b they are using Broderson to the same level	corrected for the final report, including energy costs for level 2a and 2b.	
			but the energy numbers are	energy costs for level 2a and 20.	
		L	Lour the energy numbers are		ļ

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			different. If this is not a mistake,		
			please explain why those numbers	·	
			would be different.		
Ch 2	7-19-07		Table A.2: Is the assumption for	The energy costs in Table A2 assume	
			Broderson that the water is being	pumping from a treatment plant east of	
			pumped from the cemetery? How	town, near the cemetery. There would be a	
			many lift stations would be needed?	single pumping facility at the treatment	
			What kind of energy are we talking	plant.	
			about here?		
Ch 2	7-19-07		Table 2.7 under 3b it shows 'Shift in	There are some typographical and	
			Production' at 400 ac-ft.	calculation errors that will be corrected for	
			Table 7.3 shows 'Shift in Production'	the final report, including shift in production	
			at 540 Ac-ft. Regardless, what	for level 2b. However, the actual amount of	
			mitigation factor do we apply to	production shift needed will vary,	
			those shift in production numbers to	depending on the alternative source that	
			get SWI ac ft? (I'm guessing that's	the water purveyors identify. Shifting to the	
			unknown depending on what kind of	upper aquifer or east side of town would	
			shift to what other wells?)	not have as much benefit to the basin as	
				replacing groundwater pumping with	
				imported water.	
Ch 2	7-19-07		Broderson: Is it true there may be	It is unknown which disposal/reuse option,	
			more future regulations regarding	between leachfields at Broderson or	
			the use of Broderson than there	agriculture reuse, may have more	
			would be for Ag reuse/exchange?	restrictive discharge regulations in the	
			Doesn't it make more sense to	future.	
		Ì	encourage people to be replenishing		
			the aquifer than sending the water		
Ol- C	7.40.07		out of town?	Laval Object on the Alberta Control of the Control	
Ch 2	7-19-07		Why have Purveyor production shifts	Level 3b recognizes that there is a certain	
			part of the 3b option and not the	amount of opposition in the community to	
			rest.	leachfields at Broderson. Both Level 3a	

	Question	Question	_		_
Topic	Date	Answered	Question	Answer	Status
			Why exclude Broderson from 3b.	and 3b achieve similar results, but one	
			Add Broderson at half capacity	does not utilize Broderson. Combining	
			(initially) to 3b, you reduce spray	Broderson with other significant water	
			fields and storage dramatically, and	purveyor participation would reach a higher	
			get more recharge than 3a.	level of mitigation. These options largely	
			(depending on mitigation factor for	depend on the water purveyors and could	
			production shifts)	be implemented to meet water demand at	
				build-out (Level 4). The costs of going from	
				Level 3 to Level 4 are not estimated	
				because they are entirely dependent on the	
01.0	- 40.0-			water purveyors.	
Ch 2	7-19-07		Table 7.5 introduces different	This looks like a typo. For consistency in	
			numbers for level 3 Sea Water	the report, the estimates for Level 3 should	
			Intrusion mitigation than are	likely be 550 AFY to 600 AFY. However, a	
			presented in Chapter 2 and Table 7.4.	Level 3a range of 590 AFY to 620 AFY is	
				within the accuracy of this conceptual level	
			Table 7.5 shows 590 AFY and 620	report.	
Ch 3	6-19-07	6-22-07	AFY Elsewhere it is 550 and 590.	The Draiget Team has congreted the	
Ch 3	6-19-07	6-22-07	De-coupling components: What is	The Project Team has separated the	
			the best way to go about de-coupling the different components?	project into 5 specific components	
			the different components:	(collection, treatment, bio-solids handling, plant siting, and effluent reuse/disposal) for	
				their technical evaluation, while recognizing	
				the interdependency of these items. The	
				TAC has the option to consider the	
				components individually or as a whole for	
				the pro/con analysis.	
Ch 3	6-19-07	6-22-07	STEP tank excavation: How big is	The 1500 gallon STEP tanks are 5 ft	
0113	0-19-07	0 22-01	the excavation hole needed for a	diameter by 10 ft long. The temporary	
			new STEP tank?	excavations should be able to have vertical	
			now Of Er talk:		
			HEW ONEF LAIM!	walls with 1 ft to 2 ft of clearance around	

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
				the tanks (say 18 inches). The tanks would	
				be buried from about 2 ft to 5 ft deep. So	
				the length, width, and depth would be around 13 ft x 8 ft x 8 ft.	
Ch 3	6-19-07	6-22-07	Downtoring for CTED: What kind of	Groundwater in the excavations would	
CII 3	0-19-07	0-22-07	Dewatering for STEP: What kind of		
			dewatering will be required for the installation of the STEP tanks?	have to be pumped out so the tank can be	
			installation of the STEP tanks?	placed on solid ground. Tanks in areas	
				with high groundwater would need straps	
				and anchors to keep them from floating out of the ground.	
Ch 3	6-19-07	6-22-07	Dewatering for gravity: What kind of	An NPDES permit would be required for	
			permits will be required for	dewatering. Permit conditions would	
			dewatering the gravity system?	identify restrictions on disposal of	
			Must make sure the water does not	dewatering water.	
			go into the bay.		
Ch 3	6-19-07	6-22-07	Construction: What is the estimated	Construction is estimated to take	
			timeline of construction of both the	approximately 3 years.	
			gravity and STEP collection		
			systems?		
Ch 3	6-19-07	6-22-07	Request: Is it possible to get an	It is probably not possible to have an	
			illustration of gravity and STEP on	illustration by Tuesday's meeting on	
			top of each other? Color coded so	collection systems. The area of	
			we can clearly see the difference	disturbance would vary greatly, depending	
			and also showing the disturbance	on the conditions of individual properties.	
			area? This would be a good prop for		
			the next TAC meeting.		
Ch 3	6-19-07	6-22-07	STEP tank retrofit: Is it possible to	The Project Team is not aware of this type	
			use a bladder to line the inside of the	of product on the market.	
			current septic tank to make it		
			compatible for a STEP system? If		
			not we need to make it clear to the		

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			public this is not an option.		
Ch 3	6-19-07	6-22-07	Odor control: for STEP, how does it	STEP tanks would be vented to roof level,	
			work? What kind of control	similar to existing septic tanks. Air release	
			measures will be put in place?	valves on the pressurized main lines would	
				be inside of an enclosure similar to a water	
				distribution system, but with a carbon or	
				other type of filter.	
Ch 3	6-19-07	6-22-07	Odor control: Will there be venting of	See above.	
			the STEP tanks? It was not		
			mentioned in the report.	· ·	
Ch 3	6-19-07	6-22-07	Control box: Where is the control	Orenco's website shows a small control	
			box for the STEP tank located?	box that looks similar to a controller for a	
			How big is it and will it get in the way	lawn sprinkler system. It could probably be	
			of anything else in the yard?	located on a wall of the house.	
Ch 3	6-19-07	6-22-07	STEP tank location: Is it possible to	The option for placing tanks in the right-of-	
			place the STEP tank in the Right-of-	way is being explored.	
			Way? What kind of permits would	*	
			be needed for that to happen? What		
			kind of construction specifications		
			would be needed for this to happen?		
			Would this require a road certified		
			tank? What is the additional cost of		
01.0	0.40.07	0.000	that?	OTED : I I W :	
Ch 3	6-19-07	6-22-07	Back up power: What type of	STEP tanks have sufficient storage for	
			generators are needed for the STEP	most power outages, less than a few days.	
			tanks? Would every property be	It is not anticipated that any agency would	
			required to have one? Would this be	require individual generators for each	
			a homeowner cost or project cost?	home. It is typical for lift stations that serve	
			There is some discussion on page 3-	neighborhoods to have back-up power.	
			6 of report for back up power for		
			buildings but not really the homes.		

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
Ch 3	6-19-07	6-22-07	Alarm system: What kind of system will be in place? Will this be an alarm that goes only to the home or will there be a more central alarm?	STEP systems can be outfitted with a warning light or alarm at the house, with the homeowner responsible to call for service. Or, a telemetry system can be installed to notify a central service center. The Draft Fine Screening Report assumes remote telemetry to a central maintenance operator.	
Ch 3	6-29-07	7-2-07	On-lot costs: The yard restoration costs sound way too low. We could not restore our yard with either collection system option for that little amount.		Comment
Ch 3	6-29-07	7-2-07	Green houses gases: The STEP system releases methane at the tank and air release valves in system, would there still be enough methane for cogeneration at the end?	Cogeneration would be possible. However, it is generally not cost effective for small plants. In addition, the solids treatment process would need to employ anaerobic digestion for methane generation and capture. This process has high capital and operating costs which contributes to the high entry costs for cogeneration.	
Ch 3	6-29-07	7-2-07	Cypress Trees: How much excavation would be needed for the STEP system? Would all the trees be lost? There are some in the Right of Way and some in the front yards. (between 4th and elementary school, Santa Ysabel and Romona)	Trenching for a STEP system would likely be able to avoid major impacts to large trees, directional drilling would have even less of an impact. In many locations, the placement of the collection lines can be adjusted to avoid trees and other features.	
Ch 3	6-29-07	7-2-07	STEP tank replacement: What is the life span of the STEP tanks? How often would they need to be	STEP tanks should last a long time, similar to the plastic pipes. Routine maintenance and occasional replacements should be	

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			replaced? -if ever? Is this cost	within the O&M estimates.	
			accounted for in the cost estimates?		
Ch 3	7-12-07	7-13-07	STEP systems: Is there any	There are some examples of STEP	
			example of STEP being used in a	systems with similar parameters as Los	
			community that is similar in	Osos. A STEP system, as presented in the	
			population density to Los Osos? All	Fine Screening Report, would be feasible in	
			of the case studies seem to have	Los Osos.	
			larger lot sizes that are farther apart.		
			Is this technology even feasible in		
			Los Osos?		
Ch 4	6-14-07	7-2-07	Full cost of treatment: the energy		Comment
			information in chapter 4 needs to link		
			to the solids treatment cost		
			information to show the "full cost" of		
			treatment, that is, if one treatment	,	
			system has lower energy costs but		
			leads to more costly solids	*	
			treatment, then its not really a lower		
			energy cost system. On the other		
			hand, if there are no appreciable		
			differences, or there are logical		
Ch 4	6-14-07	7-2-07	groups, then those should be shown.		Commont
Cn 4	6-14-07	7-2-07	Request: Information should be added to each table in chapter 4		Comment
			showing how MBR technology		
			compares, so a fair comparison to		
			Tri-w can be made.		
Ch 5	6-29-07	7-2-07	Facultative ponds: Are the CO2	While ponds require less energy input than	
On 5	0-23-01	1-2-01	emissions higher with ponds? This	the other options, they release methane,	
			relates to the carbon foot print.	which is a more powerful greenhouse gas	
			rolatos to trio carbon foot print.	than carbon dioxide. A full carbon footprint	
	L	l		Than sarson diskids. A full sarson tootprint	

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
				analysis may be done in the future to	
				assess the relative impacts of the treatment	
				options.	
Ch 5	6-29-07	7-2-07	Facultative ponds: If we were to use	The septage would go to the plant for	
			STEP and ponds, where would the	treatment. The solids would end up in the	
			septage pumped from the STEP	ponds. We did not calculate sludge volume	
			tank go?	for ponds, since the amount can be	
				variable and is only removed as necessary	
				(~20 years).	
Ch 5	6-29-07	7-2-07	Facultative ponds: What happens to	The pond sludge would be treated with	
			the septage in the ponds once it is	mobile, temporary equipment such as	
			dredged? Does this need to be	centrifuges to increase the solids	
			treated before going anywhere?	percentage prior to hauling to a regional	
				solids facility similar to the other options.	
Ch 5	6-29-07	7-2-07	Sludge handling with respect to	Yes.	
			STEP: Can a truck meant for		
			pumping septic tanks pump a STEP	•	
01.5	0.00.07	7.0.07	tank?		
Ch 5	6-29-07	7-2-07	Sludge handling with respect to	The small trucks can handle one or two	
			STEP: How many tanks worth can	septic tank pump-outs.	
Ol- E	0.00.07	7.0.07	one truck handle?	Discrete serve de la contraction de la contracti	
Ch 5	6-29-07	7-2-07	Digesters. What is the advantage to	Digesters reduce volume by removing	
			using a digester? What is the	volatile solids, and they remove pathogens.	
			difference in the end product with or	The end product of composting is similar	
			without composting? There is not a	with and without digestion. Digesters	
			clear advantage in the report.	stabilize the sludge and reduce the volume	
				in a very efficient (small) footprint. For	
				certain facilities, available land for	
				composting is limited, making volume	
Ch 5	6-29-07	7-2-07	Digastoro: Can you only do mothana	reduction prior to composting critical.	
CIIO	0-29-07	1-2-01	Digesters: Can you only do methane	Digesters are where most of the methane is	

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			recovery with digesters?	produced.	
Ch 5	6-29-07	7-2-07	Energy: What is the cost estimates	The power costs are included in Tables	
			for energy for each of the	4.13 and 4.14.	
			alternatives? Are these included in		
			the O&M costs?		
Ch 5	6-29-07	7-2-07	Energy: Can you list ability for	Cogeneration may not be feasible, due to	
			cogeneration for each alternative in	the small size of the treatment plant.	
			Tbl. 5-17?		
Ch 5	6-29-07	7-2-07	Aquifer: What are the boundaries of	See Figure 1 of the Sea Water Intrusion	
			the aquifer?	Report by Cleath and Assoc.	
				http://www.losososcsd.org/pdf/SWIntrusion	
				FinalGrant.pdf	
Ch 5	7-9-07	7-13-07	Green waste: How much green	Approximately 5,200 tons per year of green	
			waste is currently being hauled out	waste is hauled from Los Osos. This value	
			of Los Osos annually? Would it be	is fairly constant over the years. It is likely	
			possible to use it for composting of	that this amount could be available for	
			bio-solids? How much green waste	composting in Los Osos. Based on a 5:1	
			would the composting process	blend, this could be mixed with approx.	
			require?	1,000 tons/year of biosolids.	
Ch 6	8-Jun-07	7-2-07	Site ranking: There is no obvious	It is important to note that all the sites were	
			reasoning behind high priority sites	considered viable for a treatment plant. In	
			being considered higher than the	ranking them, the Project Team identified	
			medium or low priority sites? Why	many factors. Slope, soils, geology,	
			are they not considered equal?	visibility, size and configuration were all	
				factors included in the analysis. There are	
				clear differences amongst the sites. Refer	
				to tables for full explanation. (See	
				especially Table 5.1 in the Rough	
				Screening Analysis.)	
Ch 6	6-8-07	7-2-07	Site ranking: Why is the Morrison	Morrison is recognized as a potentially	
			site specifically not considered a	viable site. However, the useable land is	

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			higher priority site?	sloped, which would impact construction costs. The site is also more visible from LOVR and very close to a church. The configuration of the site is more difficult because of the wetlands/willows as well as the PG&E transmission easement. However, this site could be workable in the absence of the higher tier.	
Ch 6	6-14-07	7-2-07	Suggestion: The environmental adhoc group is concerned that chapter 6 of the fine screening report focused primarily on the high-priority sites without much discussion of the other sites that passed rough screening. The reasoning is partly that Morrison, especially, being located farther from sensitive resource areas (Warden Lake wetlands) is worth more discussion. However, the group still believes that the high-priority ranking described in the fine screening is correct; their concern is more focused on better documentation of how the others were screened out. An overriding concern is the limited discussion about the non-high priority sites. They suggest that, from an environmental perspective, it might read better if the sites were grouped as: a. Cemetery area (Cemetery,	Comment noted. More information was presented on these sites in the Rough Screening Report, much of which was not carried forward to the Fine Screening. Please refer to the earlier report. Please note that the other sites were not screened out, simply ranked according to a mix of factors.	Comment

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			Giacomazzi, Branin) b. Andre II /		
			Robbins c. Morrison d. Gorby e.		
			Tri-W		
Ch 6	6-14-07	7-2-07	Suggestion: The group suggests that		Comment
			the project team review the EPA		
			2006 Emerging Technologies for		
			Biosolids Management Report:		
			http://www.google.com/search2		
			n&q=biosolids+management+emel		
			ng+technologies&btnG=Google+Sea		
			rch The group's thinking is that the		
			community will point to this report as		
			evidence that the project team is not		
			using the best approach to		
			managing biosolids, ignoring the		
			detail in the report that many of the		
			new technologies discussed have no	*	
			cost information and are unproven in		
			the real world. (A copy of this report		
			is on the W drive at: W/Research		
			Documents/Document Library/EPA		
			2006 Biosolids Emerging		
Ch 7	7-19-07		Technology Report. Table 7.5: In the row for disposal	The cost varies depending on whether	
CII /	7-19-07		and reuse and the column of SWI	upper aquifer is used or if water must be	
			Mitigation level three (590 AFY) why	imported. See Table 2.7.	
			is the spread so large? It is a whole	imported. See Table 2.7.	
			order of magnitude while the others		
			are much closer together.		
Ch 7	7-19-07		Section 7.3.3: "The Broderson parcel	It is assumed that out of town sites have	
	' 13 0'		is assumed to suffice as biological	only minor biological impacts that may	
L	<u> </u>	I.	Lie desarriod to edition do biological	1 3.1.jioi biological impacto that may	I

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			mitigation for any alternative." Is this	require mitigation.	
			statement true? We believe the		
			mitigation was used up already with		
			the beginning construction of the Tri-		
			W project. Is there still enough		
			mitigation left to still use this site for	'	
			all the other project alternatives?		
Ch 7	7-19-07		Tri-W project: How flexible is the	Based on previous and current evaluations,	
			Tri-W project? Is it possible to	MBR is the most appropriate treatment	
			create a project option that used the	technology for an in-town location. It would	
			Tri-W site with say, a STEP	technically feasible to combine STEP	
			collection and no MBR? Are we	collection with MBR treatment. Additional	
			really only considering Tri-W project	disposal capacity does need to be	
			exactly how it is as the only in town	considered for the previously designed Tri-	
			option?	W project.	
Ch 7	7-19-07		Blending aquifer water: Is it	Yes, the water purveyors may already be	
			possible/ permitable to pump upper	doing this where it is possible to find the	
			aquifer water and blend with the	correct ratio.	
			lower aquifer water to a point where		
			the nitrate levels are safe enough to		
			drink? Would this be another option		
			for helping with the SWI mitigation?		
Ch 7	7-19-07		Storage: Is it possible to use a	Yes, a storage pond could be designed as	
			constructed wetland as storage?	a constructed wetland. There would likely	
			Would this possibly create a whole	be additional operational and regulatory	
			bunch of regulatory issues that will	constraints.	
			make it difficult to maintain?		
Gen	6-14-07	7-2-07	Suggestion: The group suggests the		Comment
			team review the City of Filmore's		
			April 2007 report discussing why that		
			City is using MBR technology,		

	Question	Question			
Topic	Date	Answered	Question	Answer	Status
			including the information on energy use that Gordon has identified.		
Gen	6-19-07	7-2-07	Request: Tri-W must be in the next version of the Fine Screening Report.		Comment

